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# (54) BACKLIGHT UNIT AND LIQUID CRYSTAL DISPLAY DEVICE HAVING THE SAME

(71) Applicant: LG Display Co., Ltd., Seoul (KR)

(72) Inventor: Young-Bae Han, Gumi-si (KR)

(73) Assignee: LG DISPLAY CO., LTD., Seoul (KR)

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(51) **Int. Cl.** 

**G02F 1/1335** (2006.01) **F21V 8/00** (2006.01)

(52) U.S. Cl.

(58) Field of Classification Search

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Primary Examiner — Thanh-Nhan P Nguyen
(74) Attorney, Agent, or Firm — Fenwick & West LLP

### (57) ABSTRACT

Disclosed herein is a backlight unit in which a viewing angle of a liquid crystal display device may be easily enlarged or changed. The backlight unit includes a light source, a light guide plate formed below a liquid crystal panel and including a light emitting surface through which incident light supplied from the light source is emitted toward the liquid crystal panel, a prism sheet formed between the light guide plate and the liquid crystal panel, and a plurality of protrusion patterns formed on one surface of the light guide plate which is opposite to the light emitting surface thereof, each of the plurality of protrusion patterns including a first prism which extends in a first direction and at least one second prism which extends in a second direction intersecting with the first direction, comes into contact with the first prism, and is shorter than the first prism.

### 21 Claims, 10 Drawing Sheets

